

L Number	Hits	Search Text	DB	Time stamp
1	2	4719262.pn.	USPAT; US- PGPUB; DEFVENT	2002/08/14 14:28
2	2	4961967.pn.	USPAT; US- PGPUB; DEFVENT	2002/08/14 14:31
3	2	4933327.pn.	USPAT; US- PGPUB; DEFVENT	2002/08/14 14:33
4	2	6004755.pn.	USPAT; US- PGPUB; DEFVENT	2002/08/14 14:35
5	82246	microarray same discrete spots	USPAT; US- PGPUB; DEFVENT	2002/08/14 14:35
6	82214	microarray near5 discrete spots	USPAT; US- PGPUB; DEFVENT	2002/08/14 14:36
7	82204	microarray adj2 discrete spots	USPAT; US- PGPUB; DEFVENT	2002/08/14 14:36
8	1674	microarray	USPAT; US- PGPUB; DEFVENT	2002/08/14 14:36
9	463	microarray and discrete	USPAT; US- PGPUB; DEFVENT	2002/08/14 14:37

L6 ANSWER 102 OF 146 CAPLUS COPYRIGHT 2002 ACS
AN 1991:243894 CAPLUS
DN 114:243894

TI Substrate preparation for chemical-species-specific **binding** and
biosensors

IN Tom-Moy, May; Meyerholtz, Carl Alan

PA Hewlett-Packard Co., USA

SO Eur. Pat. Appl., 10 pp.

CODEN: EPXXDW

DT Patent

LA English

FAN.CNT 3

	FATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	EP 416730	A2	19910313	EP 1990-307981	19900720
	EP 416730	A3	19920701		
	EP 416730	B1	19960522		
	R: DE, FR, GB				
	JP 03100438	A2	19910425	JP 1990-238823	19900907

PRAI US 1989-404721 A 19890908

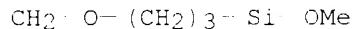
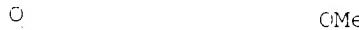
IT 2530-83-8, 3-Glycidoxypropyltrimethoxysilane

RL: RCT (Reactant)

(reaction cf, with silica in coupling avidin and **binding**
biotinylated antikody)

RN 2530-83-8 CAPLUS

CN Silane, trimethoxy[3-(oxiranylmethoxy)propyl]- (9CI) (CA INDEX NAME)



LS ANSWER 106 OF 146 CAPLUS COPYRIGHT 2002 ACS

AN 1990:552379 CAPLUS

DN 113:150973

TI Support-bound oligonucleotides

IN Southern, Edwin M.; Maskos, Uwe

PA Isis Innovation Ltd., UK

SO PCT Int. Appl., 24 pp.

CODEN: PIKXD2

DT Patent

LA English

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 9003381	A1	19900405	WO 1989-GB1114	19890921
	W: JP, US				
	EW: AT, BE, CH, DE, FR, GB, IT, LU, NL, SE				
	EP 386222	A1	19900312	EP 1389-910878	19890921
	EP 386223	B1	19940323		
	E: AT, BE, CH, DE, FR, GB, IT, LI, LU, NL, SE				
	JP 04500671	T2	19920206	JP 1989-510012	19890921
	JP 3122723	B2	20010131		
	AT 103290	E	19940415	AT 1389-910878	19890921
	US 5436327	A	19950725	US 1391-669412	19910320
FRAI	GB 1988-22228	A	19880921		
	EP 1989-910878	A	19890321		
	WO 1989-GB1114	W	19890921		

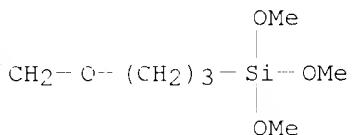
IT 2530-83-8

EL: PCT (Reactant)

(reaction of, with ballotini glass beads)

RN 2530-83-8 CAPLUS

CN Silane, trimethoxy[3-(oxiranylmethoxy)propyl]- (9CI) (CA INDEX NAME)



L6 ANSWER 56 OF 146 CAPLUS COPYRIGHT 2002 ACS
AN 1993:805760 CAPLUS
DN 130:48238

TI **Attachment** of unmodified **nucleic** acids to silanized solid phase for **nucleic** acid assay

IN Shi, Jufang; Boyce-Jacino, Michael T.
PA Molecular Tool, Inc., USA
SO PCT Int. Appl., 39 pp.

CODEN: PIWKE2

DT Patent
LA English

FAN.CNT 1

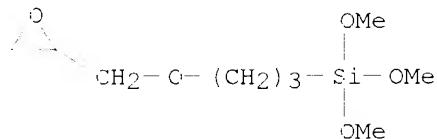
	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 9855593	A1	19981210	WO 1998-US11662	19980605
	W: AL, AM, AT, AU, AZ, BA, BE, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GE, GH, GM, GW, HU, ID, IL, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZW, AM, AZ, BY, HG, KZ, MD, RU, TJ, TM RW: GH, GM, KE, LS, MW, SD, SU, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GE, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GU, ML, MR, NE, SN, TD, TG				
	US 5319626	A	19930706	US 1997-870010	19970606
	AU 9577260	A1	19981211	AU 1998-77260	19980605
	AU 739412	B2	200011011		
	EP 996709	A1	20000503	EP 1998-925267	19980605
	R: CH, DE, FR, GB, LI				
	JP 200206347	T2	20020126	JP 1999-502940	19980605
	US 6136962	A	20001024	US 1998-102371	19980623
	US 6367626	B1	20020514	US 2000-636436	20000514
FRAI	US 1997-870010	A	19970606		
	WO 1998-US11662	W	19980605		
	US 1998-102371	A1	19980623		
AB	Described is a simple, cost effective method for immobilizing synthetic, unmodified nucleic acid mols. onto a silane-coated solid support via covalent linkage. The highly hydrophobic silanized surface that allows oligonucleotide probe droplets to form at specific and localized positions on the solid surface, which is suitable for automated and scaled-up process for DNA array prep. Also claimed are methods for (1) prepn. of the surface by coating with a mercapto-alkyl-trimethoxysilane or glycidoxyl-alkyl-silane and curing of the coating in a dry inert gas such as Ar or N2 at 60-70.degree. for 10-14 h; and (2) coupling of unmodified nucleic acids via ether or thioether linkage in an alk. soln. The invention further concerns the use of such immobilized mols. in nucleic acid hybridization assays, sequencing by hybridization assays, and genetic analyses and combinatorial analyses involving nucleic acids or proteins for screening applications.				
IT	2530-83-8, 3-Glycidoxypropyltrimethoxysilane				
	RL: DEV (Device component use); USES (Uses)				
	(attachment of unmodified nucleic acids to silanized solid phase for nucleic acid assay)				
FN	2530-83-8 CAPLUS				
CN	Silane, trimethoxy[3-(oxiranylmethoxy)propyl]- (9CI) (CA INDEX NAME)				

= . d 89, 93 bib

L6 ANSWER 89 OF 146 CAPLUS COPYRIGHT 2002 ACS
AN 1995:4229 CAPLUS
DN 122:265965
TI Synthesis of sulfated and phosphorylated glycopeptides from the carbohydrate-**protein linkage** region of proteoglycans
AU Rio, Sandrine; Beau, Jean Marie; Jacquinet, Jean Claude
CS Fac. Sci., Univ. Orleans, Orleans, F-45067, Fr.
SO Carbohydr. Res. (1994), 255 103-24
CODEN: CRBRAT; ISSN: 0008-6215
DT Journal
LA English

L6 ANSWER 93 OF 146 CAPLUS COPYRIGHT 2002 ACS
AN 1994:107686 CAPLUS
DN 120:107686
TI Total synthesis of the carbohydrate-**protein linkage** region common to several mammalian proteoglycans
AU Rio, Sandrine; Beau, Jean Marie; Jacquinet, Jean Claude
CS Fac. Sci., Univ. Orleans, Orleans, F-45067, Fr.
SO Carbohydr. Res. (1993), 244(2), 295-313
CODEN: CRBRAT; ISSN: 0008-6215
DT Journal
LA English
OS CASREACT 120:107686

L6 ANSWER 98 OF 146 CAPLUS COPYRIGHT 2002 ACS
AN 1992:401921 CAPLUS
DN 117:1921
TI Oligonucleotide hybridizations on glass supports: a novel
linker for oligonucleotide synthesis and hybridization
properties of oligonucleotides synthesized in situ
AU Maskos, Uwe; Southern, Edwin M.
CS Dep. Biochem., Univ. Oxford, Oxford, OX1 3QU, UK
SO Nucleic Acids Res. (1992), 20(7), 1679-84
CODEN: NARHAD; ISSN: 0305-1048
DT Journal
LA English
IT 2530-83-8
RL: USES (Uses)
(glass support immobilization of, reaction with diols after, for
synthesis of solid support-bound linker for
oligonucleotide synthesis)
RN 2530-83-8 CAPLUS
CN Silane, trimethoxy[3-(oxiranylmethoxy)propyl]- (9CI) (CA INDEX NAME)



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